

Memoranda

David Burchhalter

Christmas Island

21 July 1967 - Sept 1

21 July

K. site RF Budy colony

measured:

culmen

chicks

primaries

weights

nest material

Totally Scarce

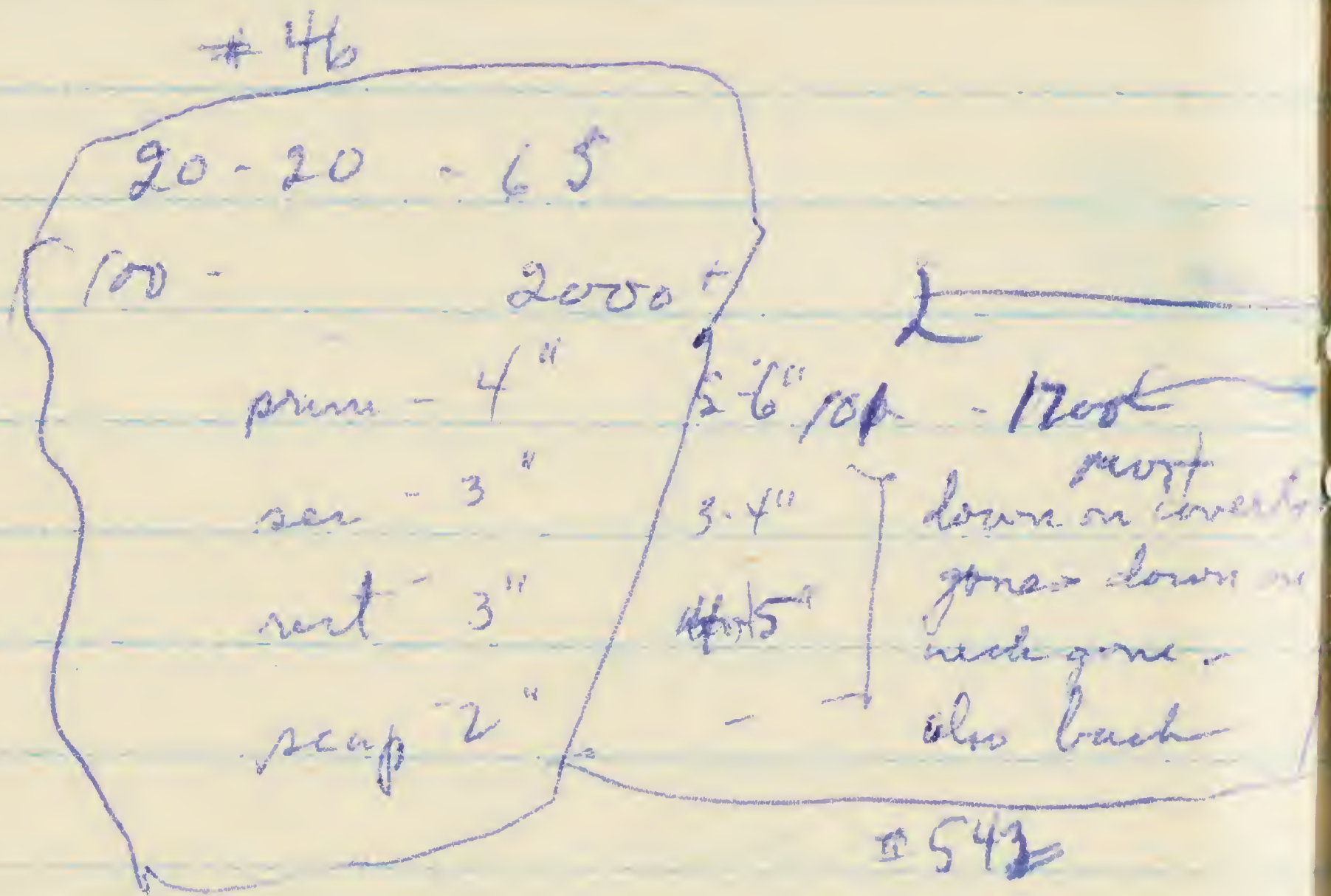
little S. d. d.

21 July 67

Lesser Frigate Colony

- in Suriana - salt marsh

cul w a t



BFB Returns . 22 July 67

767-53535 AM - bl paint

634 AF w/MDC w/ (782)

642 AF w/MDC w/ (795)

643 AM w/10-ch & IE

repeat 646 ch - LDC

" 642 ch - LDC

" 544 AF w/E

" 673 imm - 1900g

674 AF w/ch w/ (782)

675 imm - 2000+

{ full down p+s+r+scap - 3-4"

Chester, VT
20 - 23 - 75

BFB Banding 23 July 67

767-53 ~~77~~ AM w/ch 10" & pip

~~780~~ AM w/2E

~~781~~ ch

~~782~~ ch w/(634)

783 imm.

784 AF? w/LDC

785 ch } - pr. gulls showing

786 AF? }

787 imm } - flightless

788 AM? w/LDC

789 ch }

790 AM w/ch 10"

791 AM? w/2E not?

792 AF }

793 ~~AF~~ ch - LDC

794 AU —

795 ch w/(642)

796 AM w/IE

797 ch - LDC

798 AF?

799 ch } - LDC

73-110 1250 no guills

BFBosby banding cont
29 July

767-53800 ch - w/ (674)
801 ch

705 - 10 ~~257~~ RTTB w/c
~~260~~ " ad or

23 July 1967

measured Trigals wet ~ 32

banded RTTBs

range

from unland egg
to LDC flightless

CIS.

incubated egg

to ~~LDC~~ ch w/ most of down lost

Phoenix Is Petrel in burrow

- no egg -

Fairy Tern

egg - 6 ch w/ most
of down lost

RTB - nesting egg to LDC

July 23 -

Birds seen on Islet (Swimming)
There

B-G. noddy

RFB imm

WCN

RFB imm - large nos.

CN nesting - eggs

flying imm

GBT - 4 eggs

saw no WTS

July 24 ^{#1} Islet in Isles Lagoon

PIP assoc. Portulaca


① islet - beneath Heliotropis - no materials -
depression ~~50mm~~ (rocks, stems, shells)
180mm wide - 50C shell in nest

② islet - beneath Heliotropis - no materials
depression 110mm : 210mm wide
egg fresh?

③ islet - beneath Helio - no water.
depth 80mm - width 210mm
egg

④ islet - Helio
depth 50mm width 180mm
egg

⑤ islet - under Lepturus - assoc. Port.
w/egg - fresh?
d - 50mm - w - 250mm

Lept. whirled around on bottom &
side of nest for padding 

② islet - beneath Lept & Helio
Lept. stems used as padding
for nest - assoc. Port.
w/egg
dep th - 70mm w - 280mm

Descript: of islets
#1 less coral debris
than others (2 & 3)
- more "scrubby" growth
223 - mostly Suriana, not
large Liptonia & Helio plants

2 types of Portulaca?

July 24

RTTB - all near shoreline

① islet - covered by Helio using Sida
for support - no nest materials -
no depression - egg not well shaded
exposed to light - assoc. Liptonia &
Port.

② islet - near Suriana

③ " " - assoc. Port

④ " " " & Helio

WTB shearwater islet

Under port. & Lept

UN attended

L - 120 mm

W - 220 "

extent 120 m

MDC

gulls begin

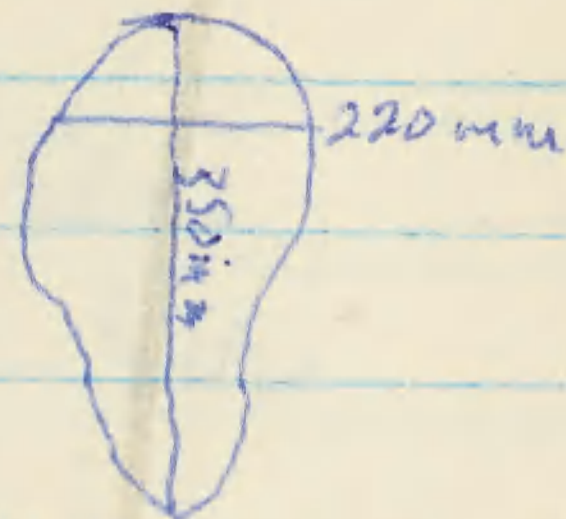
July 22/

① Audubon Shearwater

egg under Nelco (220 mm)

assoc. Lepturus & Port

islet



depth 60 mm

no materials used - on bare earth
w/ shells & leaves

② pipped egg - ch. died
beneath dead Lepturus

L on bottom as cushion

depth 90 mm w - 180 mm

appears to be old WTB burrow

assoc. Port & Boer.

July 24

G Tugate - slet #3

① 1' off - in Silman

materials: Silman & Helio & Jodan

egg

② 2' - in Silman

materials: Silman

same
knob

SDC

③ 2' - in Silman

mat. Silman - Helio & Lept

SDC

④ 1' - in Silman

mat. Silman & Helio

SDC

⑤ 2' - in Silman

mat. Silman & Helio

MDC

⑥ 2' - in Sil

mat - Sil & Helio & doddan

RTTB under mat

SDC

ward
inner
part
w/out
green

Sera # July 24 - Sera

⑥ 837-11315	G-Frigate	AF - roost
⑦ 316	SU	3 yr - roost
⑧ 317	AM	w/E
⑨ 837-11116	repeat	Imm - roost
⑩ 767-53802	BFB	AF club
⑪ 803	AF	
⑫ 804	AF	
⑬ 805	SU	
⑭ 806	AU	
⑮ 807	AU	
⑯ 757-64461	return	AM
⑰ 837-11180	repeat	GF AM roost
⑱ 837-11181	repeat	Imm - 1 yr - roost
⑲ 318	AF	w/ch.
⑳ 837-10621	repeat	Imm - roost
㉑ 319	IM	"
㉒ 837-10626	repeat	I "
㉓ 837-10636	repeat	I "
㉔ 320	AF	"
㉕ 321	AM	"

Sera # July 24

②⑥ 837-11322	GF	AM - roost
②⑦ 323		AM w/ch
②⑧ 837-10645	repeat	I roost
②⑨ 324		AM "
③⑩ 837-11271	repeat	AF w/ch
③⑪ 325	RFB	AU roost
③⑫ 837-10656	repeat	GF I "
③⑬ 657	repeat	I "
③⑭ 659	repeat	I "
③⑮ 663	repeat	I "
③⑯ 664	repeat	I "
③⑰ 666	repeat	I "
③⑱ 682	repeat	I "
④① 11194	repeat	AM "
④② 142	repeat	AF "

683 - kept on nest - starvation

GF new band	326	AM w/ch
GF	327	AF roost

July 24

6F new band	328	Ad	root
	329	AF	"
	330	AF	"



LF - 3' off in Suri
w-14 d-3
Suri & dodder

area: least lake. Sur. Era

July 25 / July 26

6F description - Plantation

- ⑦ 1' off in Suriana
mat: Suriana w-16" d-3"
- ⑧ 1' off in Sur
mat Sur & dodder w-16" d-3"
- ⑨ 1' off in Sur
mat: Sur w-15" d-4"
- ⑩ 1' off in Sur
mat: Sur w-14" d-3"
- ⑪ 2' off in Sur w-14 d-3
Sur
- ⑫ 1' off in Sur w-14 d-3
Sur & Sur

WFS. w-10"

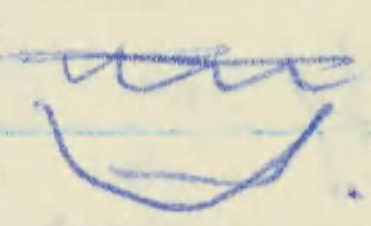
- ⑦ d-8" under heliotropis & Lept
e-16" Sur on bottom
11" w/e - 9" from entr.
- ⑧ d-7" e-16" under Helio & Lept.
dirt bottom - nothing
egg 6" from entr.

26 July

④ e-27"
d-8" no veg. covering
w-11" Sept alone
Openings Sept bottom UN
SDC Port nearly

⑤ e-24"
d-7" no veg cover.
w-8" Sept & Helio bottom

⑥ 15 e - no cover
5-d Sept & Helio bottom - mat 2"
8-w egg 7" from entrance

⑦ - burrow carved in  dotted
Sept. & Port provide a covering
Sept on bottom

16-e w-13
7-d rotten egg

⑧ Shale - hard lake - no nest
e-24" but on earth covered w/
w-10 coral & shells & foliage
d-8

16" from entrance - bare bottom w/E
no cover of plants

26 July

Seaw = Messer

RFB

① H-4' in Seaw
w-12 mat: Seaw & Suri
d-4 LDC

② H-5 w-12 d-5
in Seaw, SDC
mat: Seaw & Suri

③ H-5' w-16 d-4
in Seaw
mat: Seaw & Soda LDC

④ H-6' w-20 d-4
in Seaw LDC
mat: Seaw & Soda & Suri

⑤ H-4' w-14 d-4
in Seaw mat: Seaw & Suri LDC

⑥ H-4' w-16 d-4
in Seaw LDC
mat: Seaw & Soda

2-8-8

26 July

Sera & band #

- ① NB ~~11331~~ GF IF(2nd)
- ② ~~11332~~ RFB AF
- ③ repeat ~~11227~~ AF
- ④ ~~10909~~ IV
- ⑤ repeat ~~10936~~ RFB AM - ~~weak~~
- ⑥ NB ~~334~~ GF AM w/E
- ⑦ repeat ~~10942~~ RFB AF
- ⑧ NB ~~335~~ AM
- ⑨ repeat ~~10924~~ IV
- ⑩ NB ~~336~~ AM } Family
- ⑪ repeat ~~10923~~ AF }
- ⑫ NB ~~337~~ SU (3 yrs?)
- ⑬ repeat ~~10947~~ AM
- ⑭ ~~10948~~ GF WEAK IF(1 yr)
- ⑮ ~~10949~~ IF
- ⑯ NB ~~338~~ RFB AM
- ⑰ repeat ~~11243~~ GF IM
- ⑱ NB ~~339~~ RFB SU
- ⑳ repeat ~~10960~~ GF (w/ alula feathers) IF
- ㉑ NB ~~340~~ RFB SU

26 July

no blood

nb.

- ~~373~~ **BROWN** Booby AM
- ~~373~~ RFB chick w/10956
- ~~374~~ chick
- ~~358~~ AF
- ~~360~~ chick w/359

26 July

Sera # hand #
 (21) NB ~~341~~ RFB

- (22) | ~~342~~
- (23) | ~~repeat 11247~~
- (24) | ~~10956~~
- (25) NB 345
- (26) 346
- (27) 347
- (28) 348
- (29) 349
- (30) 350
- (31) 351
- (32) 352
- (33) 353
- (34) 354
- (35) 355
- (36) 356
- (37) 357
- (38) 359
- (39) 361
- (40) 362

AF

AU

AM

AM w/ch

AM

AM w/ch

AM w/ch

chuck (I)

AF

AM

AF

AM

AF w/E

AM

AF

AM

AM

AM w/ch

AM

AU

27 July

Sooty Lera took 20 samples

(1)

sexed

(2)

?

(3)

measurements will
be taken

28 July

RFB colony at K site

① Messer & Boer & Sida & Sida?

4' x 12" x 3" w/E

② Messer & Sida

3' x 14" x 4" w/LOC

③ Messer & Sida & Sida

3' x 20" x 5" w/LOC

④ Messer & Sida & Lept

5' x 17" x 4" w/LOC

⑤ Messer & Boer & Sida

4' x 15" x 3" w/E - pipped

⑥ Messer & Boer & Sida

4' x 20" x 6" w/SDC

⑦ Messer & Sida

2' x 22" x 5" w/E

⑧ Messer & Sida & Boer

4' x 18" x 5" w/SDC

⑨ Messer & Boer & Sida

3' x 12" x 5" w/naked

⑩ Messer & Boer & Sida w/LOC

4' x 14" x 4"

same
brush
RTTB
below

28 July

K-Site

Brown Booby - LOC

① several sites? amongst Boer &

Lepterus - ^{sh} apparently moved from original site to clump of Lept. for shade

② RTTB - under Messer w/E

17" x 4" depression - among

M debris of leaves & twigs

③ under Moss w/E

11" x 2" - some depression - little

④ under Messer & Lept w/E

20" x 5"

← build up of nests is large - small egg or new ch - new/fresh material

26 July

♂ E

♂ E-11

♀ E-1

♀ E-1

Lesser Frigate

① Suri's dodder

2' x 13" x 6" w/E

VERY

DENSE

COMPACT

PLANTS

WHICH

ARE

NESTED IN

② Suri's dodder & Heliconia

3' x 10" x 3" w/SDE

③ Suri's dodder

2' x 11" x 4" w/SDE

④ Suri's dodder

3' x 15" x 6" w/nested

on some nests

The "top part"

⑤ Suri's & dod

5' x 13" x 4" w/MDC

is completely

constructed of

dodder &

⑥ Suri's &

3' x 12" x 4" w/E

⑦ Suri's &

3' x 11" x 3" w/MDC

nest material

ie sticks etc

are smaller &

thinner than

those of G.F.

⑧ Suri's &

3' x 11" x 4" w/E

⑨ Suri's &

2' x 15" x 3" w/E

⑩ Suri's & Heliconia

4' x 12" x 3" w/MDC

28 July

⑪ Suri's &

4' x 10" x 7" w/MDC

⑫ Suri's &

3' x 12" x 4" w/MDC

⑬ Suri's &

3' x 10" x 4" w/MDC

⑭ Suri's & Heliconia

2' x 11" x 4" w/MDC

⑮ Suri's &

2' x 12" x 4" w/MDC

⑯ Suri's & Heliconia

3' x 11" x 4" w/E - py

⑰ Suri's &

4' x 12" x 4" w/MDC

⑱ Suri's & Heliconia

3' x 15" x 4" w/SDE

⑲ Suri's &

5' x 11" x 2" w/E

⑳ Suri's & Heliconia

3' x 11" x 4" w/MDC

28 July

Serial# band#

①	75-10085	RTTB	AV w/ch
②	-226		w/E
③	-227		w/E
④	-228		w/ch
⑤	-204		w/E
⑥	-209		w/ch
⑦	-255		w/E
⑧	-091		w/ch
⑨	-210		w/ch
⑩	-039		w/ch

30 July

collected Sooty Terns for sending
back to DL

31 July

New Bands

837-11364	RFB	AF	w/ch!
65		ch	
66		I	
67		I	
68	GF	AM	
69		AF	
70		AM	w/white breast
71	RFB	AF	
72		AM	
73	GF	AF	
74	RFB	AF	w/ch!
75		ch	
76		AF	pr.
77		AM	
78	GF	AM	
79	RFB	ch	
80		I	
81	GF	AF	w/ch!
82		IF	
83		IM	

cul: 108 mm 82
cul: 99 mm 83

31 July

837-11384	GF	AM	w/ch
85		AM	
cul: 95		I/5 IM	wh. head mottled breast & belly
87		AF	
88	RFB	AF	
cul: 92		IM	wh. breast
89	GF	IM	
90		IM	
cul: 104		IU	
92		AM	
93	RFB	ch	
cul 93		IM	
94	GF	IM	wh breast
95		BM	
96		AV	
97		AU	
98		AF	
99		AF	wh breast
400		M	

next page

31 July

Returns

83740574	BF	AF
10592	RFB	AM
11021		I
11020		I
11024		

RFB nest

3' x 17" x 9"

MDC

Mosses & Sumana

31 July

837-11401	GF	Adl wh breast
cul: 94	02	IF bl. eye ring
	03	AF
cul: 91	04	I bl. v. r.
	05	RFB AM w/ch:
	06	Nestling ch.
	07	AF w/ch
	08	GF AM wh breast
	09	RFB AM w/ch:
	10	I rest.
	11	GF AF
cul: 90	12	IM
	13	AF
	14	RFB AM }
	15	AF }
	16	AF
	17	AM
	18	AM } w/ch 74
	19	AF } 80
	20	ch
	21	(ch) w/422

July 31

N = ch

837-11422 RFB AF w/ch: 81
 23 } light AF w/ch: 78
 24 } back
 25 } light AF w/ch: 83
 26 } back
 27 N
 28 } N i
 29 } AM w/ch: 76
 30 AM 76
 31 AM } w/ch: 75
 32 AF } 82
 33 I } 74
 34 N
 35 AF 80
 36 AM 76
 37 AF 82
 38 N
 cul: 107 39 GF IF
 40 AM

July 31

837-11424 GF AM w/heart
 42 RFB AF 80
 43 RFB
 44 AF 80
 45 GF AF
 46 RFB AF w/ch: 79
 47 N
 48 N
 49 } AF w/ch: 83
 50 }
 51 N
 52 AM 72
 53 N
 54 } AF w/ch: 81
 55 } N
 56 AF 81
 57 GF IM
 58 IM
 59 2y F
 60 AM

July 31

837-11401 RFB AC 83
62 1 AM 72

~~64~~

not able to fly
NESTUNGS - L ←
HY ←
AHY ←
SY ←
ASY ←
TY ←
ATY ←

Aug 2

837-11413

64
65
66
w/E-not 67
68
69
70

GF

new bands
cul wt
ATYM 94 975
ATYF 106 1250
ATYF 113 1300
ATYF 103 1150
ATYF 105 1000
ATYF 100 1375
SYF 100 850

Aug 2

West #10 cul 60 - red - 400g
55 325g
GF

Ad ♂ oe + T

♀ oe - 100

Ad ♂ wch - 1

♀ wch - 1

pipal -
ch

rotor

10 - ~~II~~ II
30 - ~~II~~ II
45 - ~~II~~ II
60 - ~~II~~ ~~II~~ ~~II~~ II
75 - ~~II~~ ~~II~~ ~~II~~ II
90 - ~~II~~ ~~II~~ ~~II~~ II
120 - ~~II~~ ~~II~~ ~~II~~ II
150 - ~~II~~ II

~~100~~

Nest #18 45- cul 48, wt 425

Nest descript: nest orig. 1' - now on ground

14" x 3" w/ 200g

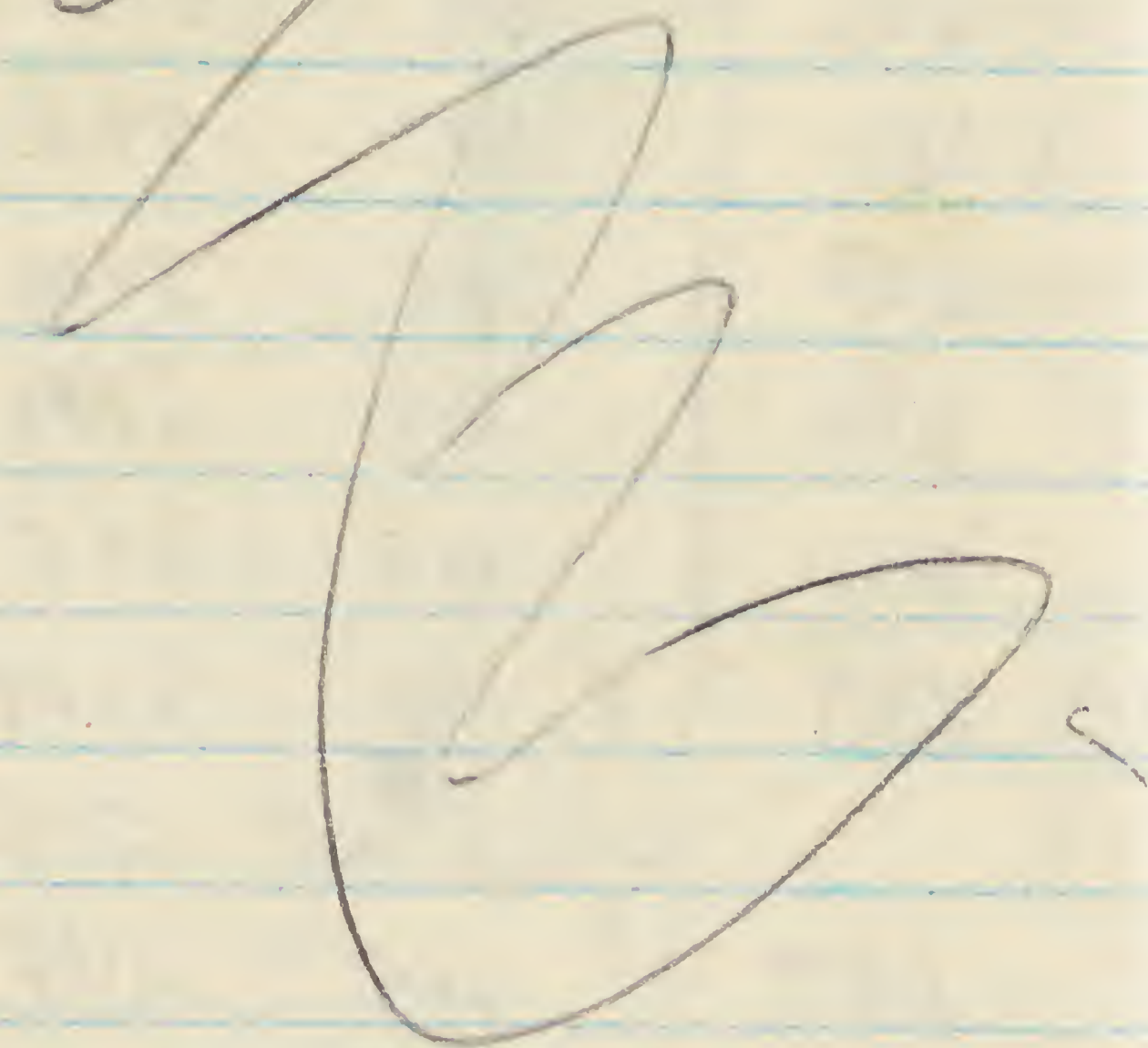
GF in Surcama & Helio

aug 2 Reports cont.

GF incl wt
 ? ~~106~~ SYF 875

~~106~~ ~~106~~ ~~106~~

SLEEP



aug 2

Sera NB incl wt clubs

①	BFB 7675			1600	ATY-F
②	no sample	09		1750	ATY-M
③	SA?	10	105	1800	ATY-M
④		13	100	1600	ATY-F
⑤	SA?	14	105	1600	ATY-U
⑥	w/food	12	100	1900	ATY-M
⑦		14	—	2000	ATY-M
⑧		15	104	1675	ATY-F
⑨	SA?	16	107	1600	ATY-F
⑩	SA?	17	104	1650	ATY-M
⑪	w/food	18	101	1700	ATY-U
⑫		19	104	1750	ATY-M
⑬		20	105	1800	ATY-M
⑭		21	100	1900	ATY-M
⑮		22	101	1700	ATY-U
⑯		23	99	1650	ATY-U
⑰		24			ATY M
		25			M
	SA?	26			U

Aug 2 BFB in LB

767-53827 SA ATY-F
 28 SA ATY-U
 29 ATY-U
 30 ATY-M
 31 SA ATY-F

BFB

Repeat 53677 - ATY-U

Aug 3

Johi Lagoon
 Swam

PIR.

① Lep. terns Port also v/moc
 1 Murreson w-9 d-4
 ② Heteropoda covered w/dodder - dead
 w/12 d-2 E - prepared
 [E 59.62 40.114]
 L - w -

③ Helio 2 d
 6x6x3 w/5 DC

④ Helio 2 d - alive
 w/out eggs ch -
 10x10x0 - ad. refuelling bp

25	ATY-M-w/E
26	L
27	L
28	L
29	L
30	L

Aug 3

Hucka

- ① RTTB Mess w/E Soil
16x4 no material loose
- ② Mess w/E
13x3 no m

Aug 4

RFB bands

- 837-11512 RFB L
- 13 L
- 14 L
- 15 L
- 16 { ATY-F w/ch:
- 17 { L
- 18 L
- 19 L
- 20 L
- 21 L
- 22 L
- 23 L
- 24 L
- 25 ATY-M w/E
- 26 L
- 27 L
- 28 L
- 29 L
- 30 L

Aug 4

RFB bands

31-35 L

36 ATY-M w/E

37-40 - L

{ 41 ATY-M w/ch

{ 42 - L

43-45 - L

{ 46-ATY-M w/ch:

{ 47 - L

48-50 - L

51 - ATY-M w/E

52 - ATY-M w/E

53-55 - L

56 - ATY-F w/ch:

57 - L

58-62 - L

{ 63 - ATY-M w/ch:

{ 64 - L

65-74 - L

{ 75 - ATY-F w/ch

{ 76 - L

77-88 - L

89 - ATY-F - w/E

90-91 - L

92 - ATY-F w/E

93-100 - L

belly wh. feathers

p.c. $\frac{1}{2}$ black visible

p $\frac{1}{3}$

slide $\frac{1}{2}$ / $\frac{3}{4}$ - white

developing feathers have down

RTTB

Aug 4

pul arm wt nap cv parent

① - ~~330~~ 54 300 $\frac{3}{4}$ / $\frac{3}{8}$ show - 085

② gone

③ Egg -202

④ Egg -227

⑤ 30-38 - 250 egg tooth present-absent

⑥ am. chick -229

new ⑦ 34-46 - 300 1 mid recting $\frac{3}{4}$ egg tooth present -254

new ⑧ Egg unbanded ~~parent~~

⑨ gone

⑩ 42-80 - 700 $\frac{3}{4}$ / 1 $\frac{1}{2}$ / $\frac{1}{2}$ p.s. $\frac{3}{4}$ / r. show absent

⑪ 32-48 - 400 $\frac{1}{2}$ / $\frac{3}{8}$ absent

⑫ 42-75 - 800 same as 10 absent

⑬ 25-30 - 250 downy 2 ad rect. absent

⑭ gone

⑮ 37-60 - 600 $\frac{3}{8}$ / $\frac{1}{2}$ absent

⑯ 27-37 235 1 rect. pattern -040

17 45-120 - 850 2-3 s.c. $\frac{1}{2}$ / $\frac{1}{5}$ s. $\frac{1}{1}$ / $\frac{1}{2}$ absent

⑱ 45-120 - 700 - same as 17 "

⑲ 22-28 - 75 -231

on tips - rect $\frac{3}{4}$ - feath ant. to main gland

aug 4

RTTB

cul arm wt

parent

(20) 28 35 365

-051

(21) 48 140 800

absent

(22) 48 150 825

absent

(23) 25 32 225

215

(24) gone

(25) 38 58 575

same as 10

absent

A Egg

232

B 42-90-750

same as 10

absent

C 35-50-475

scap ^{just} show

233

D 40-61-650

same as 10

absent

E gone

F 36-60

absent

G Egg

-257

after nest #7

4/E

088

aug 4

RTTB

Scap ^{complete} = red pattern same as 17 but 1/2" longer
same as 21

Aug 4

RTTB

Soil w/ chip coral
many mollusks
& gastropods

① Scaver w/SDL no mat - leaves
13x4 loose soil

② Scaver w/MDL
12x1 no mat fallen on

③ Scaver's Moss w/SDL - leaves, rocks
4x3

④ Scaver w/MDL
15x1 no mat

⑤ Scaver w/LDL
12x1 no mat - leaves

⑥ Scaver w/SDL
13x1 no mat leaves

growing Sept. 9 Port & Helio 9 Boen

Aug 5

WTS

① Ac Boen & d over eared in burrow
L=48 d=14 w=16 w/LDL

② burrow eared
9 x 6 x 9 w/LDL

③ Hel over burrow
11x6x9 w/LDL

④ nothing above or over burrow
11x6x9 C/LDL

⑤ in Coen dump w/ Helio twigs
LDL also CIS

Found wh. throat St. pet.

⑥ nesting in trunk of Coc. tree dump

⑦ photographs w/fr. E
3' off ground

⑧ w-8 - no materials

⑨ 38.14x27.69

12 bar

Aug 4

RTTB

Soil w/ chip coral
some mollusks
& gastropods

- ① Scaver w/SDL - no mat - leaves
13x4 loose soil
- ② Scaver w/MDL
12x1 no mat fallen in
- ③ Scaver & Moss w/SDL - leaves & rocks
4x3
- ④ Scaver w/MDL
15x1 no mat
- ⑤ Scaver w/LDL
12x1 no mat - leaves
- ⑥ Scaver w/SDL
13x1 no mat leaves

growing Lept. & Port's Delia Boen

Aug 5

WTS

- ① Ac Boen & d over caved in burrow
L=48 d=14 w=16 w/LDL
- ② burrow caved
9 x 6 x 9 w/LDL
- ③ Hel over burrow
11x6x9 w/LDL
- ④ nothing above or over burrow
11x6x9 C/LDL
- ⑤ in Coca slump w/ Helio twigs
LDL also CIS

Found wh. throat St. pet.
nesting in trunk of Coc. tree stump
photo graphs w/fr. E
3' off ground
d. 11
w=8 - no materials

WTSP

38.14x27.69

had

Pool 16 in Mess

Aug 6
Zero

Aug 5
night
banded Robbies
fingers

Aug 7
went out w/ natives

Aug 8
Islet

WTSP

- ① 19 x 5 x 5 INLAND)
covered by Sept
L. swept back
to floor of earth - some
as padding MDC
- ② 7 x 2 x 9
under coral slab
L. mess is as mat
w/ E

Aug 8
BLGN

depression in ground under L.
or on ground

Aug 9

put on at K-Site
RFB- 837-11701-800

01 - ch.	23 - 25 ch
{ 02 - AF w/ch:	26 - AF w/E
{ 03 - ch	27 - 28 ch
04 - ch	29 AM w/ch?
05 - AF w/naked	30 ch
06 - AM w/E	31 - 36 ch
{ 07 - AF w/ch:	{ 37 - AF w/ch:
{ 08 - ch	{ 38 ch
09 - 10 - ch	39 - 41 ch
11 - AF w/ch	{ 42 AM w/ch:
{ 12 - AF w/ch:	{ 43 ch
{ 13 ch	44 - 45 ch
14 - 16 ch	{ 46 - AM w/ch:
{ 17 - AF w/ch:	{ 47 - ch
{ 18 ch	48 - ch
{ 19 - AM w/ch:	{ 49 - AM w/ch:
{ 20 ch	{ 50 ch
{ 21 - AM w/ch:	51 ch
{ 22 ch	{ 52 - AM - w/ch:
	{ 53 ch

Aug 9

RETB cont

54 - ch

55 - AM w/E

56-58 ch

59 AF w/E

60 AF w/ch: 11524 ch

{ 61 AM w/ch:

{ 62 ch

63 ch

64 AF empty (new) nest

65 AM w/ch 11591 ch

66 AF w/E

{ 67 AF w/ch:

{ 68 ch

69-70 ch

71 AM w/ch: 11568

72 AM w/E

73 ch

74 AF w/naked

75 ch ?

{ 76 AM w/ch:

{ 77 ch

{ 78 - AF w/ch:

{ 79 ch

80 ch

{ 81 AF w/ch:

{ 82 ch

83-84 ch

85 - AM w/naked

86-88 ch

{ 89 AF w/ch:

{ 90 ch

91-92 ch

{ 93 AF w/ch:

{ 94 ch

95-97 ch

{ 98 AF w/ch:

{ 99 ch

100 ch

Brown Book

32 - ch

33 - ch

34 - ch

♂ of 3

♀ of 3

♂ wch 12

♀ wch 15

L = 66

Aug 10

egg appeared to be
sustained if glued

LB eggs - 18

^{eggs 3}
total to Hdg - 18

WTS - 2 in same burrow

(1) 18 x 9 x 9 LDC & MDC

normal ? plant

(2) on t

8 x 8 x 8 egg exposed to
light. P2 came down

(3) no burrow SDC (3)

in deep under Suri

1 1/2' x 1' 3" deep

Helix & Sun. 2F

held in b.p. by feathers
& legs

Aug 11

Booby Bart

ads banded - IIII

' unbanded - IIII

25-2

Aug 12

Native Party

Aug 13
write

Aug 14

837-11487-500

RFB

11901-12000

487-AF

45-50 ch

88-I

51 AF w/ch:

89-AM

282 ch

90-92 ch

53-57 ch

93-I

94-500 ch

901-AF w/newest

02-08 ch

09 AF

10-14 ch

15 AM w/E

16 -I

17-25 ch

26-I

27-AM

28-39 ch

40 AF w/E

41-43 ch

44 AM w/E

1
2
3
4
5
6
7
8
9
10

62 L+CH

pd oe 3

1 w/peel

Aug 15

North Ila

Mammals

RTTB

Aug.

705-10149 - w/sch.

50 "

51 ch

{ 52 ad w/ch:

53 ch

54 w/E

55 w/E

56 w/E

57 w/E

58 w/E

59 w/E

60 w/E

61 w/E

m { 62 ad w/s.ch

63

64 w/E

65 w/E

{ 66 w/ch:

67 ch

68 w/E

69 w/E

70 w/E

71 w/E

72 ch

73 w/E

74 ch

75 w/E

76 ch

77 w/E

78 w/E

79 w/E

80 w/s.ch

81 ad scurge

82 w/E

83 w/E

84 w/E

85 ch

86 w/E

87 w/E

88 - ad scurge

89 w/E

90 w/E

91 w/E

92 ch

{ 93 w/ch:

94 ch

95 w/E

{ 96 w/ch:

97 ch

98 w/E

99 w/E

100 w/ch

3 w/E

1 w/ch } un banded

brock E attached
to brood patch

OC ~~|||||~~

wch ~~|||||~~

~~ch~~ ~~|||||~~ un #

banded ~~|||||~~

pr wch |

Scurge ||

Aug 17

#3 string

Big Round

Barb.

~~1033-0000~~ } WTSP

#3

#4

WTSP v3

13x4x8 - Lept as mat on rock
mated pr. - no egg

11x5x5 - under Ses. + Lept.
Lept as mat

8x8x3 - rock
res. as mat.

10x7x5 - Ses. & mat
#2

Aug 17

Big Round

ca 50 GBT ca 10 eggs

ca 100 BGN ca 25 eggs, 1 sch.
many rotten GBT eggs } few fledglings
ca 10

Barb.

ca 15 GBT few rotten eggs

ca 25 BGN 1 egg

#3

ca 25 BGN
eggs - 3

1 on E

Big #4 ca 30 CN immis, 4 locals

ca 300 BGN 50 eggs ch - 11X

burrows - 150 WTS - 5 adts 2 ch - 17

skins present

WTSP - 1 M.ch.

eds - 11X 111

dead - 1

Aug 17

00001

WTSP

ad

} pr. - feather b.p.

02

"

ad

03

"

ch.

04

"

ad

- w/E - feather b.p.

05

"

ad

- w/E

06

"

ad

} pr. - feather b.p.

07

"

ad

08

"

ad

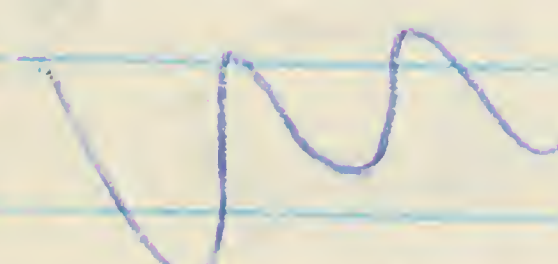
w/E feather b.p.

09

"

ad

w/E bare



Aug 18

BB west w/2 E

RFB

837-119587 AM w/ch:

59 ch

60 AM w/ch:

61 ch

62 AF w/E

63 AF w/E

64 AF build nest

65 AM w/E

66 AM w/E

67 AM w/E

68 AF w/ch

69 AF w/ch

70 AM w/E

71 AM w/E

72 AM build nest

73 AF w/ch

74 ch

75 ch

~~767-53889~~ BFB ad ♂ & ♀

Aug 18

RTTB

	cul	arm	wt	band no.	parent
①	44	120	550	318	abs.

② gone

③ w/E

[cul: 62 arm: 330 wt: 650]

226

④	26	35	200	319	087
---	----	----	-----	----------------	-----

[cul: 67 arm: 340 wt: 550]

⑤	45	75	600	320	abs.
---	----	----	-----	----------------	------

⑥	34	50	300	321	abs.
---	----	----	-----	----------------	------

⑦	48	90	550	322	abs.
---	----	----	-----	----------------	------

⑧	w/E	[cul: 69 arm: 330 wt: 650]	324	abs.
---	-----	----------------------------	----------------	------

⑨ gone

⑩	51	160	600	323	abs.
---	----	-----	-----	----------------	------

⑪	42	110	650	325	abs.
---	----	-----	-----	----------------	------

scaps 2-3; sec. c. 1; sec $\frac{1}{4}/\frac{1}{4}$; p.c. $\frac{3}{4}/\frac{3}{8}$
 prim $\frac{3}{4}/\frac{1}{8}$; breast & belly feathers; rect $\frac{3}{4}$;
 loose down forehead, all feathers up/down on tips

⑫	51	140	700	326	abs.
---	----	-----	-----	----------------	------

margin. cov. all feathers; sec $\frac{1}{2}/\frac{1}{2}$; sec $\frac{1}{1}$
 p.c. $\frac{1}{1}$; prim $\frac{1.5}{1}/\frac{1}{2}$; feathers on forehead; loose
 down back head; belly feathers; rect $\frac{1}{1}$

Aug 18

RTTB

	cul	arm	wt	band no.	parent
⑬	40	65	500	327	085

[cul: 65 arm: 300 wt: 625]

⑭ gone

⑮	47	130	600	328	abs.
---	----	-----	-----	----------------	------

⑯	40	60	400	329	abs.
---	----	----	-----	----------------	------

⑰	53	180	700	330	abs.
---	----	-----	-----	----------------	------

sec. $\frac{1}{2}$; prim $\frac{1.5}{2}$; cov. full; no
 down on wings, little on back head;
 med back & head; belly feathers compact $\frac{1}{2}$

⑱	51	170	800	331	abs.
---	----	-----	-----	----------------	------

⑲	36	65	500	332	231
---	----	----	-----	----------------	-----

[cul: 68 arm: 320 wt: 650]

⑳	42	65	500	333	abs.
---	----	----	-----	----------------	------

㉑	52	200	750	335	abs.
---	----	-----	-----	----------------	------

sec $\frac{3}{4}/\frac{1}{2}$; m. $\frac{2}{3}$; cov full; dark grey
 down back head & rump; loose
 long tips on rump; rect long. 3
 belly compact; feathers on forehead & down
 no down on wings & belly

㉒	57	195	800	338	abs.
---	----	-----	-----	----------------	------

less down than 21

Aug 18

RTTB

	cul	arm	wt	b.u.	par
A	gone				
B	51	150	800	334	als
C	47	100	600	336	als
D	51	130	600	337	als
E	gone				
F	49	110	500	340	als
G	gone	- pip	but not out of egg		

(23)	43	60	400	341	als
(24)	gone				
(25)	48	115	600	339	als

repeat left mid rect. 1/4

705 - 10047 w/E 2:63 am: 330

Other new bands: w/E 550

#334 w/E

WTSP

10x8x6

under left & Ses

left & coral shell/shelf bottom

Aug 18

Cold eggs - 111

#3 - 500 BIGN

WTSP 10 ad w/E

11 ad w/E

12 ch

13 ad w/E not - death. b.p.

14 ad w/E bare

pr. 15 ad w/E death

16 ad w/E bare

17 ad no egg - bare

18 ad " death

19 ad no egg bare -

20 ad egg "

pr. 21 ad no - egg de.

~~652 - 47304~~ feathered

call WTSP - "weak squeal"

under Ses & left

depth

→ 13x6x8 under left.
2" mat

BGN under Port Sr. Sept

going over 1 in
4 x
6 x

Phoenix ~~544-52506~~ ~~Ad Sh ad~~

~~Ad ch. unbandied~~

have 2 feet in
pr. } 1033-

47.42 x 32.79

52.94 x 33.85

22 Ad Sh ad

23 "

24 ch

25 ch

26 ad w/E

27 ad w/E
~~over~~

Aug 19

Inles Lagoon

544-52601 Aud Shear w/E

E 48.56 x 34.67

602 Aud Shear ch

603 PIP w/ ~~544-52506~~

{ 604 PIP ad w/ch.

{ 605 ch

06 PIP ad w/ch.

07 ch

08 Aud Shear w/E

E 50.54 x 34.21

09 Aud ch

10 PIP w/E

11 PIP ch down

12 PIP ch down

aug 19

And S

28 ch - fledgling
29 ch - down
30 Ad w/E - fresh 50.71X 33.7
31 ch

and S under Port & H. E. kept
2" x 5" x 9"

Aug 20

~~Cat Island~~

32 WTSP w/E
33 w/E defeath
34 w/E " med. flesh

Aug 20

Banded BFB

Manula Lag

Egg 35.54 x 26.56

~~35~~ WTSP w/?

~~004-36~~ " w/E
cul: 18.2 x 19.5 tars 44

Egg 36.78 x 28.14

~~37~~ " w/? defeated
cul: 17 x 20 tars 43

~~38~~ " w/?

c: 18 w: 19.5 t: 43

~~347~~ WTS L. down. ch.

~~348~~ " M " "

~~39~~ WTSP w/E bar

c: 19.5 w: 19 t: 43

Egg 37.11 x 27.39

defeated wh. thin
lat. fore
head
bare
white edge
under tail
cor.

wh. edge
to under
tail cor.

Aug 21

~~40~~ WTSP w/E defeated

c: 19 w: 19.5 t: 43

Egg: 39.55 x 27.48

~~41~~ WTSP w/E

c: 19.5 w: 18.5 t: 42 ?

Egg: 39.24 x 27.22

~~42~~ WTSP w/E featured

c w t

~~43~~ WTSP

44

GF

RFB

RTTB

Aug 22

RFB

976 ch

977 Fw/E

978 Mw/ch:

979 ch

980 ch

SE ~~Back~~
RTTB

349 w/E

50 w/E

51 w/E

52 w/E

53 w/E

{ 54 w/ch:

55 ch

56 ch

57 ch

58 w/E

59 w/E

{ 60 w/ch:

61 ch

62 w/E

63 w/ch

64 w/E

65 w/E

66 w/E

67 ch

68 w/ch

613 w/ch CIS

614 - CIS

515 } deleted

616 }

17 fed ch

18 "

19 ch PIP

20 ch PIP

21 ch CIS

CBS under Sun.

Aug 22

FT eggs - IIII

Saw 1 rat

Aug 23		BFB
pry 24	AM	44 AM
25	AF	45 S
26	I	46 S
27	AF	47 AM
28	SA	48 AF
29	SA	49 S
30	AF	
31	S	
32	S	
33	S	
34	S	
35	S	
36	S	
37	AF	
38	"	
39	"	
40	S	
41	AF	
42	AM	
43	S	

Aug 23		RFB	Return
81	AM	- RFB	RFB 11/5/11 - AF
82	AF	- GF	
83	AF	- RFB	
84	SA	"	
85	ch	"	
86	AF	"	
87	AF	GF	
88	AF w/ch	: RFB	
89	ch	"	
90	I	"	
91	ch	"	
92	AM	GF	
93	I	RFB	
94	AF	GF	
95	I.	RFB	
96	AM	"	
97	Ch.	"	
98			
99			
00			

Aug 24

Kings

Aug 25

44 WTSP w/E bare [17-19] 37.86x27.59
45 w/E " [18-19.5]
46 w/E " 38.35x28.65
47 — feathered
48 w/E bare 40.07x26.56
49 ch.

2TTB
RFB

Aug 26

nothing
wrote

New nests

|||||

large obs. - no new nest. mat

Aug 28

Isles Lag

#1 Aud Shear

① 19x7x6 in Left & Port
no mat.

② 12x7x7 in Left & P.
no mat MDC

③ 22x7x6 Port & Boer Left
no mat

④ 16x10x7 in Sechoys
depression - no burrow - no mat

⑤ 23x8x6 in Port & L
MDC

⑥ 16x8x7 N & L
LDC

⑦ 12x10x6 burrow caved Love it
egg

⑧ 16x8x6 H.

⑨ 16x9x5 egg H

⑩ 12x12x6 egg H & L
egg

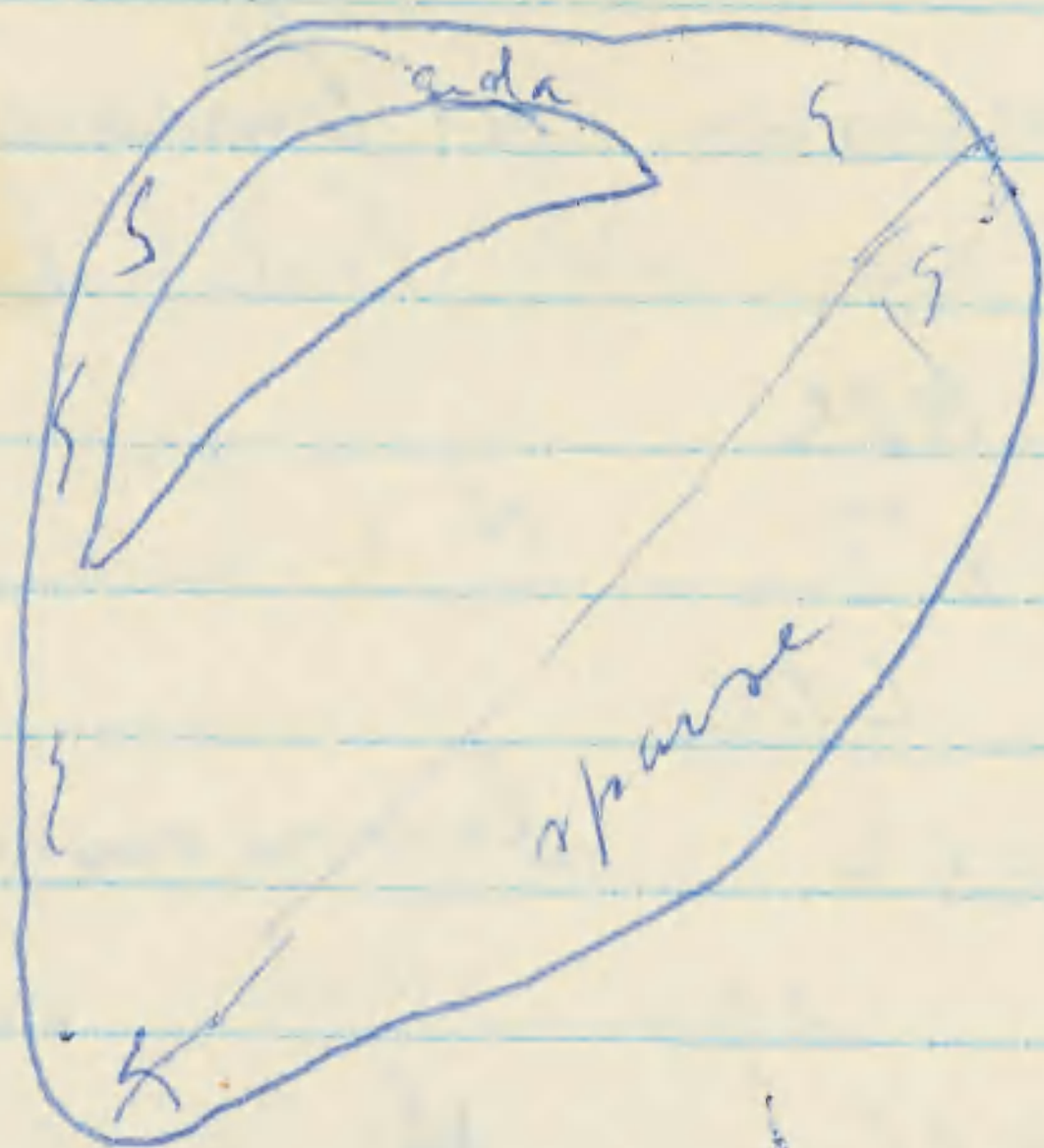
Aug 28

(10) 11x10x7
L & P & B MDE

(11) 17x9x6
B nothing

(13) 17x14x7
L & B & P LDC

(14)



WTS in Boer & H
& L

Glorious C. G.?

Aug 28

RFB w/ze

Rats - 1

GBT - en 500 Saw eggs

~~ca 25 RFB w/ze~~

RFB

(1) M 1/2 Sun 1/2 Trub
Hel

RTTB - Sida

WTS P - 853 - 70111

Aug 25

WTSP

Aug 30

BFB to Poland

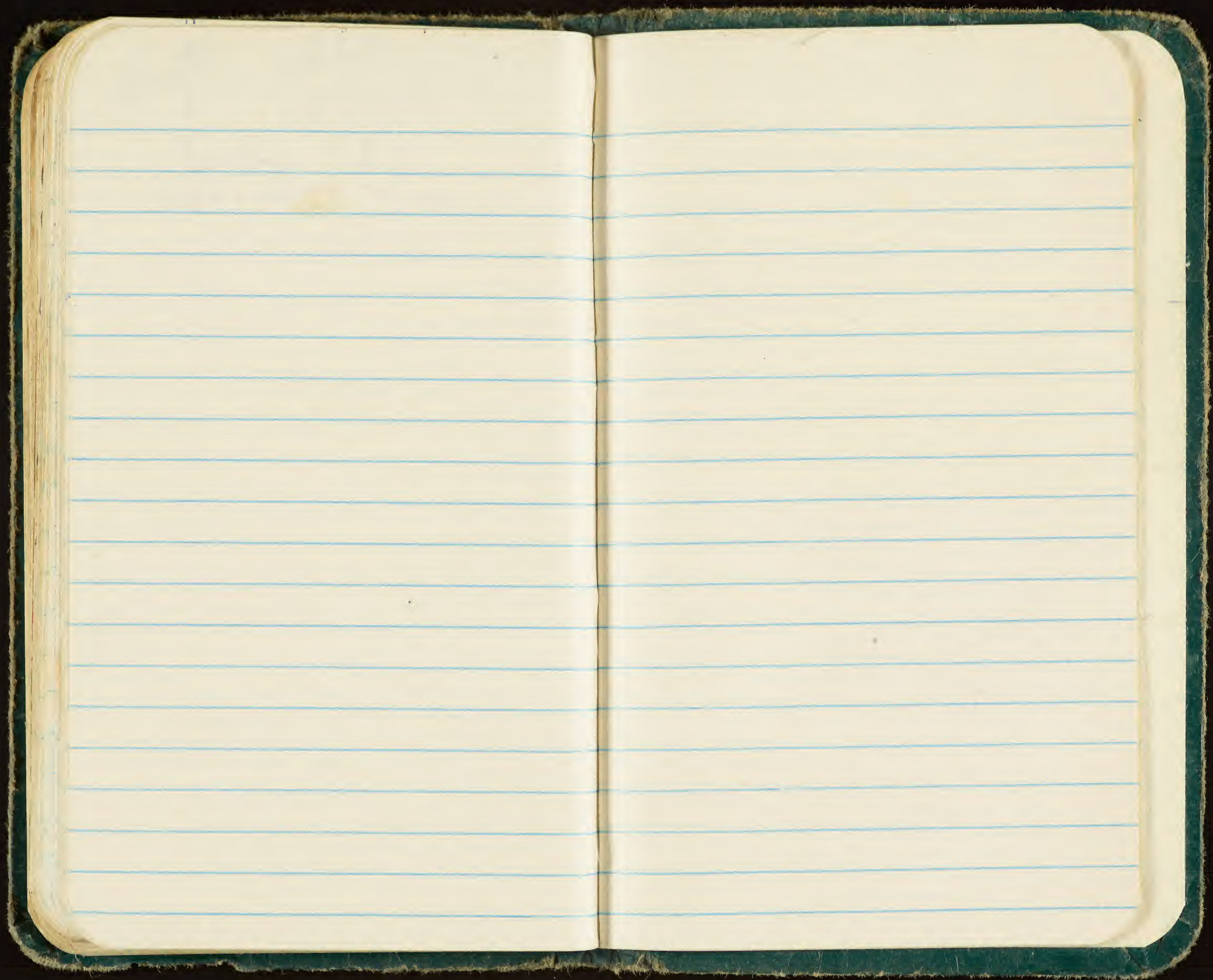
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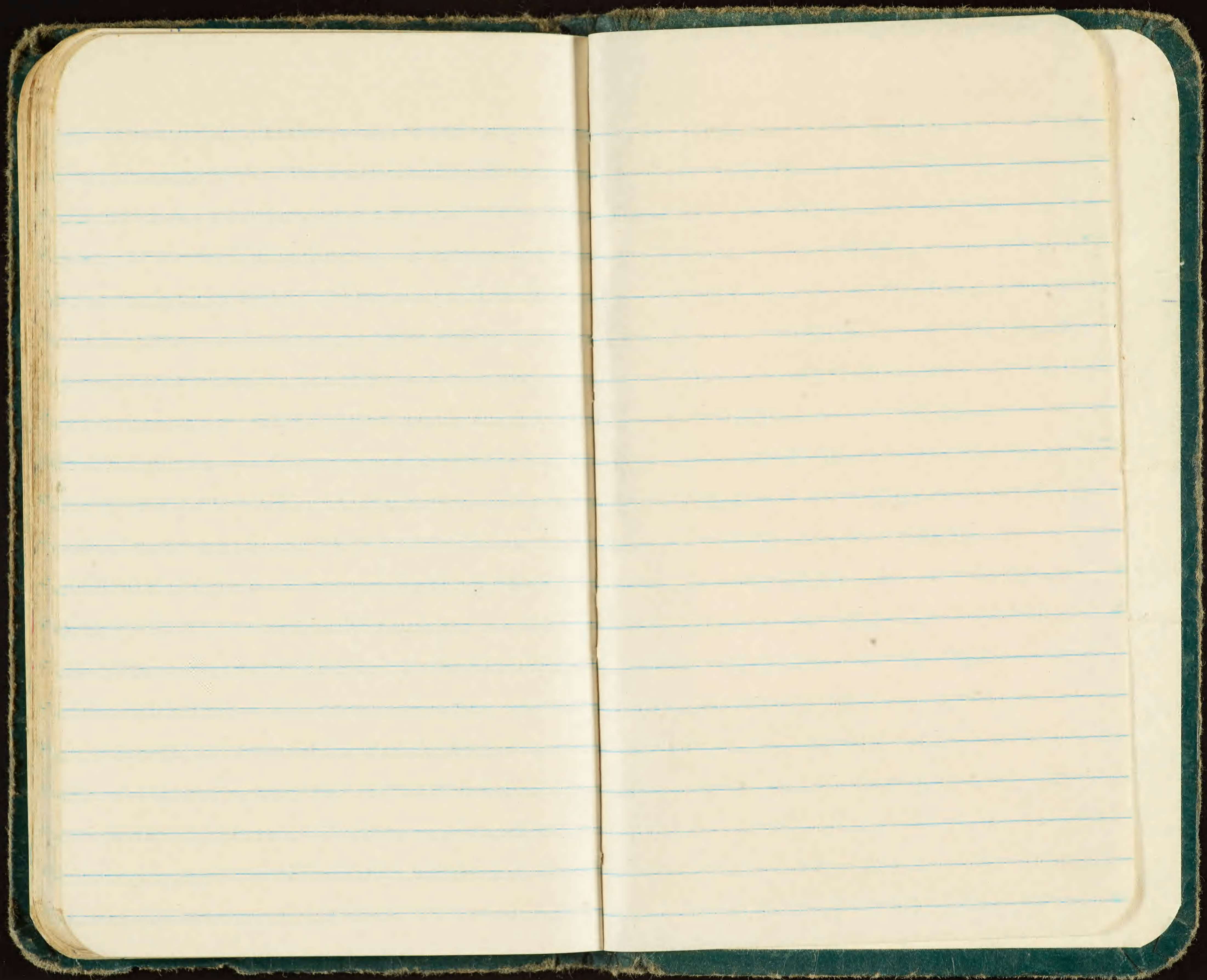
RFB

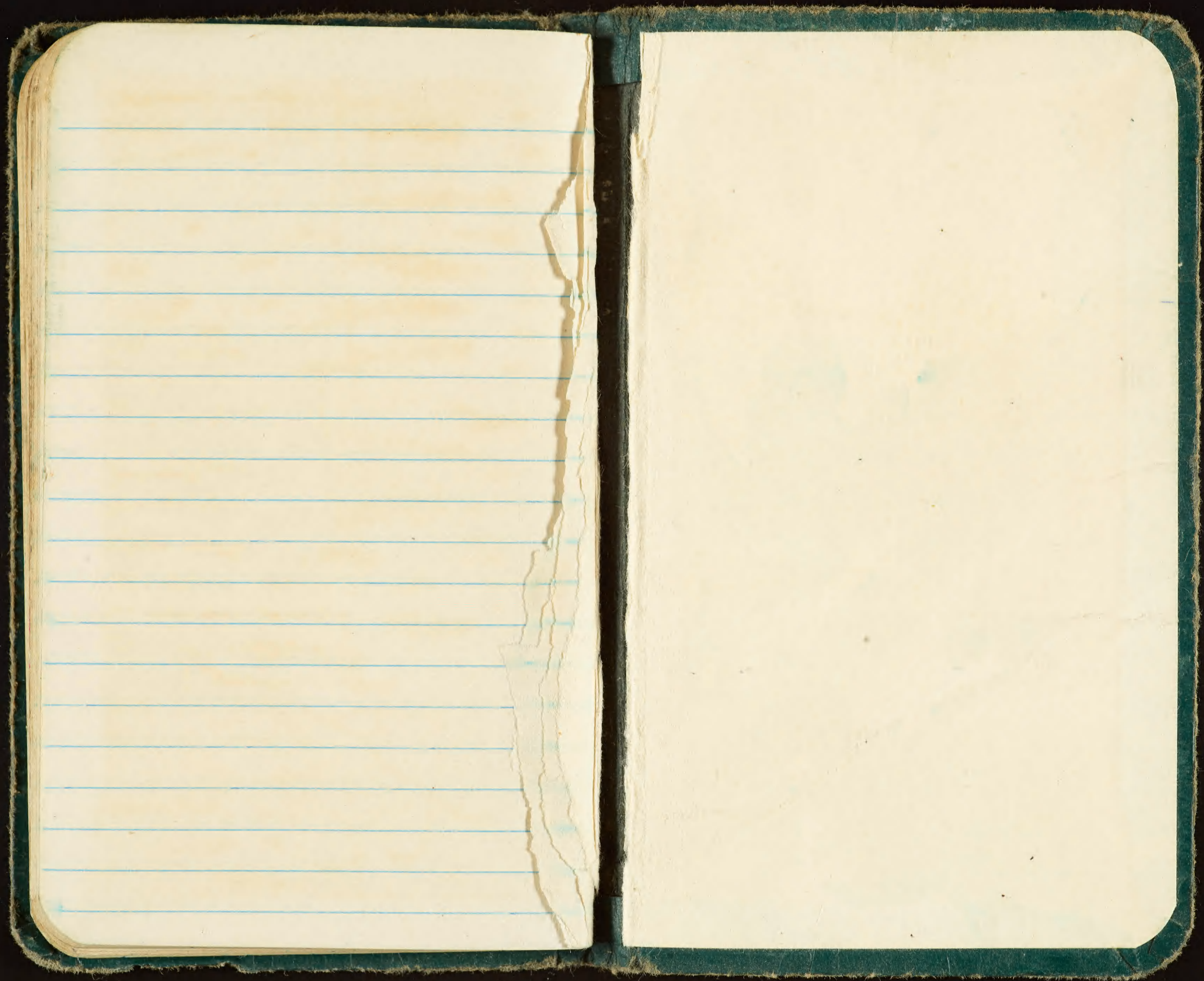
RTTB

Sooty (ch)

1033-00076 - 100







7530-222-0078
FEDERAL SUPPLY SERVICE

GPO c43-16-73124-2